

U.S. Patent Application Serial No. 10/620,466
Response filed March 18, 2005
Reply to OA dated January 26, 2005

REMARKS

Claim 1 has been amended and claim 7 has been added in order to more particularly point out, and distinctly claim the subject matter to which the applicants regard as their invention. The applicants respectfully submit that no new matter has been added. It is believed that this Amendment is fully responsive to the Office Action dated January 26, 2005.

Claims 1 - 7 remain in this patent application, claims 1 and 7 being independent claims.

The Examiner suggests that the title of the invention should read as follows: "DEFLECTION YOKE HAVING SHORT-CIRCUITED COIL IN CONVERGENCE YOKE PORTION."

The applicant thanks the Examiner for his suggestion. The applicant has amended the title of the invention in the manner suggested by the Examiner.

The applicant also thanks the Examiner for now indicating that claims 2 - 6 contain allowable subject matter, and would be allowed if rewritten in the manner suggested in the last full paragraph on page 2 of the outstanding Action. Also, see the comments in the outstanding Action

U.S. Patent Application Serial No. 10/620,466
Response filed March 18, 2005
Reply to OA dated January 26, 2005

on the allowable subject matter of claim 2, as set forth in the first full paragraph on page 3 of the outstanding Action.

With all respect to the Examiner, for the reasons more fully discussed below, the applicant has not amended the claims in the manner suggested by the Examiner because to adopt the Examiner's suggestions at this time would unnecessarily limit or narrow the scope of the claims to which the applicant is entitled.

Independent claim 1 stands rejected under 35 USC §102(b) as being anticipated by Yokota (U.S. Patent No. 5,430,351). The applicant respectfully requests reconsideration of this rejection.

As discussed in line 14, page 3 through line 15, page 6 of the applicant's specification with respect to the conventional convergence yoke portion 50, the induction voltage produced in the convergence horizontal coil 51 of the convergence yoke portion 50, due to the fluctuation magnetic field of the main yoke portion periodically producing a voltage in the convergence horizontal coil 51, causes a problem due to the difficulty in adjusting the convergence by the horizontal coil 51. The applicant's deflection yoke device avoids such problem in that:

the convergence yoke portion is provided with a short-circuited coil, so that even if a fluctuation magnetic field leaks from the main yoke portion and ingresses into the convergence yoke portion, the short-circuited coil generates a magnetic field in such a direction as to offset the leakage magnetic field. This greatly lessens the influence of the

U.S. Patent Application Serial No. 10/620,466
Response filed March 18, 2005
Reply to OA dated January 26, 2005

leakage field to be exerted on the convergence yoke portion, effectively suppressing the induction voltage generated in the convergence yoke portion due to the leakage field.^{1/}

More particularly, the applicant's convergence core 53 further includes short-circuited coils 54, each short-circuited coil 54 having one or several turns and respectively wound around the left and right two portions of the core 53, which intersect the X-axis, as illustrated in the applicant's Figure 1.

The Examiner specifically relies on Yokota's lines 30 - 33, column 4, for teaching the applicant's claimed coil having short-circuited opposite ends for the claimed convergence yoke portion. However, such specific teachings in Yokota do not disclose:

- (1) a convergence horizontal coil wound around both left and right two regions of the core which intersect a horizontal axis, and
- (2) the short-circuited coil being provided around each of the left and right two regions of the core.

The applicant notes that the just-mentioned structural arrangements are found, in part, in claim 2 said to be allowable by the Examiner.

^{1/} Please see, lines 7-16, page 7 of the Applicant's specification.

U.S. Patent Application Serial No. 10/620,466
Response filed March 18, 2005
Reply to OA dated January 26, 2005

Although the applicant has not included the above-discussed structural arrangements set forth, in part, in claim 2, the applicant has amended independent claim 1 so as to more particularly recite that:

the convergence yoke portion comprises a convergence horizontal coil wound around a region of the core, and wherein the short-circuited coil is provided around the region of the core on which the convergence horizontal coil is wound.

That is, the convergence horizontal coil and the short-circuited coil are wound at the same locations or regions of the core. Such teachings, now recited in the claims, are not taught by Yokota.

Accordingly, the applicant respectfully submits that not all of the claimed elements, as now set forth in independent claim 1, are found in exactly the same situation and united in the same way to perform the identical function in the Yokota device. Thus, there can be no anticipation under 35 USC §102(b) of the applicant's claimed invention, as now recited in independent claim 1, based on the teachings of Yokota.

In view of the above, the withdrawal of the outstanding anticipation rejection under 35 USC §102(b) based on Yokota (U.S. Patent No. 5,430,351) is in order, and is therefore respectfully solicited.

U.S. Patent Application Serial No. 10/620,466
Response filed March 18, 2005
Reply to OA dated January 26, 2005

The applicant has added claim 7 so as to combine independent claim 1 with portions of allowable claim 2 (i.e., the specific recitations that the claimed convergence horizontal coil and the claimed short-circuited coil are wound or provided around both of the left and right two regions of the claimed core).

In view of the aforementioned amendments and accompanying remarks, claims, as amended, are in condition for allowance, which action, at an early date, is requested.


If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicant's undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

U.S. Patent Application Serial No. 10/620,466
Response filed March 18, 2005
Reply to OA dated January 26, 2005

In the event that this paper is not timely filed, the applicant respectfully petitions for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS,
HANSON & BROOKS, LLP



Mel R. Quintos
Attorney for Applicant
Reg. No. 31,898

MRQ/lrj/ipc

Atty. Docket No. 030866
Suite 1000
1725 K Street, N.W.
Washington, D.C. 20006
(202) 659-2930



23850

PATENT TRADEMARK OFFICE

H:\HOME\MEL\TRANSFER\030866 Amendment due 4-26-05